



University of Notre Dame

2022 Annual Report for
American Society of Civil Engineers
Notre Dame Student Chapter

Contact Information



156 Fitzpatrick Hall
Notre Dame, IN
46556

asce.nd.edu

asce@nd.edu

[/NotreDameASCE](https://www.facebook.com/NotreDameASCE)

[@notredame_asce](https://www.instagram.com/notredame_asce)

Student Officers



Joan Deitsch
Co-President

Gustavo Jimenez
Co-President

Jack Munzel
Vice President

Finn O'Reilly
Treasurer

Clare Seymour
Secretary

Serra Marquez
Public Relations
Chair

Jack Sainz
Concrete Canoe
Project Manager

Advisors



Andrew Bartolini
Faculty Advisor



Jack Mowat
Graduate Student Advisor

Chapter Recognition



2022 Indiana-Kentucky Student Symposium Champions

Chapter Recognition



2022 American Society of Civil Engineers
Activity Award



Mission Statement

The Notre Dame ASCE student chapter strives to be a welcoming club where Notre Dame Engineers can find camaraderie and community; aims to organize a variety of engineering related meetings and events where members can learn more about civil engineering, develop their careers, and have fun; promotes the academic and overall well being of its members; and works in concert with the regional and national organizations to register members, attend conference, and strengthen the club.

Goal 1: Recognize Members' Needs



- Noting lower attendance in spring, we surveyed members to select ideal times for events, primarily General Monthly Meetings
- To augment our use of e-mail, we created a club Groupme and promoted our Instagram account, both of which we use to regularly remind members of important dates
- Recognizing new members may have a harder time reaching out to officers, we created a New Member Social to cultivate a safe, welcoming environment
- To encourage attendance, we avoided hosting events during important academic events: departmental exams, presentations, and a department Junior Class Field Trip



Goal 2: Increase Club Events



- With last year still being largely recovery from COVID, we wanted to offer more events that members could enjoy and use to forge friendships
- We desired to retain the progress made last year and to host engaging events with higher attendance
- We successfully created two new events, a New Member Social and a Career Talk, which allowed younger members to meet and hear from officers and advisors
- “Dinner with a Civil” once per semester (as opposed to once per year) served to increase interaction between older and younger members



Goal 3: Implement Semester Plan



- To better organize and plan events, we created a general outline at the start of semester to include all club activities with tentative dates and times
- This forecasting helped officer anticipate any additional supplies that were needed for each event
- Planning ahead helped us meet **Goal 2** — we were able to add events without overcrowding any certain week
- A semester plan also assisted meeting **Goal 1** of acknowledging members' needs — blocking off the dates for the Junior field trip & football games

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8/22 Officers Meeting 12 pm to 1 pm Decis Cafe	8/23	8/24	8/25	8/26	8/27
8/29	8/30	8/31	9/1	9/2	9/3 FOOTBALL (at Ohio State)
9/5	9/6	9/7 First General Meeting	9/8	9/9	9/10 FOOTBALL (Home vs. Marshall)
9/12	9/13	9/14	9/15 Bowling Night	9/16	9/17 FOOTBALL (Home vs. Cal)
9/19	9/20	9/21	9/22	9/23	9/24 FOOTBALL (Home vs. UNC)
9/26 3:30-4:30 Tour of Art Museum	9/27	9/28	9/29	9/30 JUNIOR CLASS FIELD TRIP	10/1
10/3	10/4	10/5 October General Meeting	10/6	10/7	10/8 FOOTBALL (at BYU) Greenbridge (Gowens 8:30)
10/10 Career pathways link	10/11	10/12	10/13	10/14	10/15 FALL B FOOTBALL (Home vs. Stanford)



General Meetings

Chapter Activities

February General Meeting



February 2, 2022

Attendance: 25

- **Semester Review:** Reflected on the previous semester's events and introduced upcoming events for the spring semester
- **Concrete Canoe Updates:** After a successful process of batching and casting the canoe, the canoe project manager showed members models of the finished product
- **House of Cards Contest:** To prepare for the conference mystery design competition, Members received a deck of cards and tape and competed to construct the tallest tower that could hold a Steel Construction Manual



March General Meeting



March 2, 2022

Attendance: 21

- **Guest Speaker:** Mary Williams, Senior Associate at Thornton Tomasetti, spoke about the importance of shear walls when designing structures
- **Officer Elections:** Club members running for 2022-2023 officer positions introduced themselves and their ideas for the club
- **Pie an Officer in the Face:** A lighthearted activity amidst conference preparations was enjoyed by all



April General Meeting



April 6, 2022

Attendance: 20

- **Guest Speaker:** Jason Cipowski, project manager at Walsh Construction, spoke about his work on a project converting a Chicago convention center into temporary hospitals during the COVID-19 pandemic
- **Conference Reminders:** With conference a week and a half away, final reminders were given about times and locations
- **Civil Family Feud:** Teams from different class year competed against each other in a civil-trivia-themed Family Feud style competition



End-of-Year Meeting

April 25, 2022

Attendance: 26



- **Campus Scavenger Hunt:** Club members participated in a 20-minute scavenger hunt around the Notre Dame campus, and the winners received prizes
- **Dinner:** The club provided Jimmy John's sub sandwiches for dinner
- **Senior Send-off:** Senior club members were wished farewell and thanked for the efforts they put into ASCE



September Kickoff Meeting



September 7, 2022

Attendance: 67

- **Club Introduction:** Introduced ASCE and typical ASCE activities at Notre Dame
- **Officer Introductions:** Gave brief backgrounds for our officers and advisors, including those for Concrete Canoe
- **Third Annual Paper Airplane Contest:** Now an annual tradition, this contest was enjoyed by all
- **Kahoot:** Held Kahoot Trivia contest about Civil Engineering and Notre Dame
- **Dinner:** To appeal to members and meet **Goal #1**, Raising Cane's was provided



October General Meeting



October 5, 2022

Attendance: 40

- **Club Updates:** Discussed last month's activities, including bowling and a construction tour, and advertised upcoming events, highlighting officer's efforts to meet **Goals #2** and **#3**
- **Concrete Canoe Update:** Gave update on concrete mix design meetings
- **Key Topic:** Gave an in-depth introduction to conference events and their obligations
- **Bridge Competition:** Members built bridges with uncooked spaghetti and marshmallows, competing to construct the strongest bridge



November General Meeting



November 2, 2022

Attendance: 30

- **Club Updates:** Discussed last month's activities, and advertised upcoming events, namely the concession stand, our biggest fundraiser on campus
- **Concrete Canoe Update:** Gave mix design, paddling, and structural design updates
- **Guest Speaker:** Dr. Kara Boyles, City Engineer of South Bend, spoke on her career and projects
- **Civil Bingo:** Members participated in a fun bingo activity aimed towards increasing camaraderie and meeting **Goal #1**
- **Canoe Name & Theme Reveal!**



“December” General Meeting



November 30, 2022

Attendance: 40

- **Club Updates:** Discussed last month's activities, including the concession stand and broomball
- **Concrete Canoe Update:** Gave mix design, paddling, and structural design updates
- **Conference Sign-ups:** Members had their first opportunity to sign-up for conference events
- **Christmas Games & Pinata:** To decrease members' stress about upcoming finals, we had a shorter meeting with a few lighthearted holiday-themed games, striving to meet **Goals #1 and #3**
- **Hot Chocolate!**





Site Tours

Chapter Activities

Tour of Raclin Murphy Museum of Art



September 26, 2022

Attendance: 12

- Toured an art museum, a 66 million dollar project, being constructed on Notre Dame's campus
- Learned about specialized loads from various art pieces that must be considered for such a museum
- Studied stone columns on the outside of the museum



Tour of Alumni Hall Renovation



November 7, 2022

Attendance: 15

- Toured the renovation of Alumni Hall, a Notre Dame dorm which opened in 1931



- Learned about the challenges of renovating old buildings and the practices for preserving the dorm's original architectural style



Club Events

Chapter Activities

Bowling Nights



February 23, 2022

Attendance: 17

- Collaborated with the Engineering Leadership Council to host bowling night during the Notre Dame Engineering Week
- Provided free bowling to students from all engineering departments!

September 15, 2022

Attendance: 27

- A club favorite, we sponsored a bowling night at Chippewa Bowl in South Bend and had record attendance!
- The informal setting made younger members more comfortable interacting with older members, helping to meet **Goal #1**



ASCE Indiana North Central Branch Lunch



March 24, 2022

Attendance: 15

- Hosted the ASCE Indiana North Central Branch for lunch
- Former ASCE ND Student Chapter co-presidents presented the 2021 Notre Dame ASCE Annual Report (pictured on right)
- ASCE ND Student Chapter Concrete Canoe captains presented the technical presentation they were preparing for the IN-KY Student Symposium
- **Lunch:** Jimmy Johns provided by ASCE Indiana North Central Branch!



Shear Studs: Co-Rec Sports Team



September 2022

Attendance: 14

- Returning after a fun 2021 season, our co-recreational sports team, Shear Studs, competed in Notre Dame's co-rec sand volleyball season
- Encouraged friendship and team spirit among our club members



October 2022

Attendance: 16

- Shear Studs also played in Notre Dame's co-rec broomball season, helping to reach **Goal #2**
- Shear Studs competed in its first ever play-off game!
- Encouraged friendship and team spirit among our club members



New Member Social



October 27, 2022

Attendance: 23

- To help meet **Goals #1** and **#2**, we hosted a New Member Social, which newer club members could attend and ask officers and advisors questions
- Many new members attended, and our advisor answered questions regarding conference and ASCE
- We provided ice cream and board games to ensure a good time for everyone



Dinner with a Civil



April 2022

Attendance: 36



November 2022

Attendance: 31



- Previously, this event occurred only in spring. To meet **Goal #2**, it was added to the fall calendar

- A fan favorite, Dinner with a Civil groups members from all years to promote community
- In spring, groups enjoyed a meal at an off-campus location of their choice
- In fall, groups met two weeks before class registration, allowing younger members to ask questions about courses

ND Football Concession Stand



November 19, 2022

Attendance: 23 volunteers

- The club organized a concession stand at the Notre Dame vs. Boston College game to fundraise for conference costs
- Volunteers helped prepare signs, set up, cook, clean, and interact with hundreds of visitors!
- We sold hot food, drinks, snacks, and ASCE ND merch to raise money for the club
- Raised over \$1700!





Concrete Canoe

Chapter Activities

Batching and Casting Day



January 28, 29 2022

Attendance: 25



- **Batching Day:** We weighed and batched enough material to cast our 20 ft. canoe
- **Casting Day:** We mixed and casted the concrete into our mold, shaped reinforcement, and measured the thickness throughout
- **Lunch:** Pizza!

Mix Meetings

September 2022 - December 2022

Attendance: 40



- We met on a weekly basis, with an average of 26 people per meeting, to mix and test different mix designs and new materials for the 2023 concrete canoe, *Canoena Matata*
- Some members helped with the structural design of the canoe and organization of our canoe room

Paddling Practices



March 2022 & October 2022

Attendance: 17

- The Concrete Canoe racing team met on four occasions to practice rowing and turning exercises with two members per canoe
- Created a sense of friendly competition as we prepared for conference





Community Service

Chapter Activities

Green Bridge Growers



April 2, 2022

Attendance: 10



- 20% of club served at Green Bridge Growers, a local non-profit organization, to help build a section of their hydroponics garden
- Volunteers cut and glued PVC pipes, dug small trenches, and drilled planks together
- Members were educated on the value of sustainable farms and impact Green Bridge Growers has on the South Bend community — producing fresh organic vegetables year round

October 8, 2022

Attendance: 11



- Collaborated with the Environmental Engineering Society to remove old decks and install new ones for the Green Bridge Growers' greenhouse project





Student Conferences

ND ASCE Student Leadership



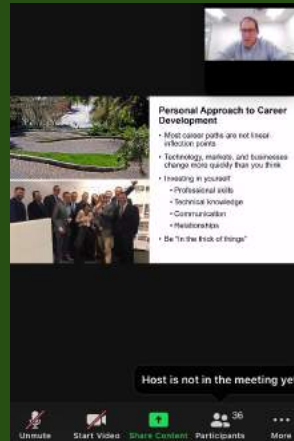
April 12, 2022

Seniors Liz DePaola and Elena Poludnitsyna presented their Senior Design project at the 2022 Indiana ASCE Annual Meeting.



February 10 - 11, 2022

Officers Jack Sainz and Eduardo Segura attended the 2022 Virtual Multi-Regional Leadership Conference.



October 12, 2022

Vice President Jack Munzel attended the New Chapter Leader Orientation and provided feedback to the rest of the officer team.



2022 Indiana-Kentucky Student Symposium



April 7-9, 2022

Attendance: 34

- 70% of dues-paying members were National ASCE Members and attended the symposium
- The club traveled to Trine University to compete in a wide range of civil engineering related competitions

- After two years without an in person conference, everyone was thrilled to support one another with loud cheers at each competition



Conference Recognition



**Concrete
Canoe**
3rd Place

Steel Bridge
2nd Place

**Sustainable
Solutions**
2nd Place

Surveying
3rd Place

MSE Wall
2nd Place

**Mystery
Design**
2nd Place

**Technical
Paper**
1st Place

**Team Spirit
Award**
1st Place

Questions?

